

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A fluorescent conversion medium comprising:

fluorescent particles comprising semiconductor nanocrystals, the particles absorbing visible light to emit fluorescence of a different wavelength,

a transparent medium holding the fluorescent particles dispersed therein, and

satisfying $0.4 < C \cdot d/r^3 < 5.0$

wherein r is the average diameter (unit: nm) of the fluorescent particles, d is the film thickness (unit: μm) of the fluorescent conversion medium, and C is the volume ratio (unit: vol%) of the fluorescent particles to the fluorescent conversion medium.

Claim 2 (Original): The fluorescent conversion medium according to claim 1, wherein a bulk material used for the semiconductor nanocrystals has a band gap of 1.0 to 3.0 eV at 20°C.

Claim 3 (Previously presented): The fluorescent conversion medium according to claim 1, wherein the fluorescent particles are core/shell semiconductor nanocrystals comprising a core particle made of a semiconductor nanocrystal and a shell layer made of a second semiconductor material having a larger band gap than the band gap of the semiconductor material used for the core particle.

Claim 4 (Original): The fluorescent conversion medium according to claim 3, wherein the transparent medium is a resin, and the surface of the shell layer is subjected to a compatibility-treatment to enhance the affinity to the resin.

Claim 5 (Original): A fluorescent conversion substrate comprising;
a transparent support substrate, and
a fluorescent conversion part provided on the transparent support substrate, the part comprising the fluorescent conversion medium according to claim 1.

Claim 6 (Original): A color light emitting apparatus comprising;
a light source emitting visible light, and
a fluorescent conversion part receiving the light from the light source to emit fluorescence of a longer wavelength, the part comprising the fluorescent conversion medium according to claim 1.

Claim 7 (Original): The color light emitting apparatus according to claim 6, wherein the fluorescent conversion part is a multilayer structure of the fluorescent conversion medium and a color filter, the color filter transmitting light in a wavelength region of the fluorescence from the fluorescent conversion medium, and cutting off light in the other wavelength region.

Claim 8 (Original): A color light emitting apparatus comprising;
a light source emitting at least blue light, and
a fluorescent conversion part comprising pixels of red (R), green (G) and blue (B), the part receiving light from the light source to emit red, green or blue light,
the pixels of red (R) and green (G) comprising the fluorescent conversion medium according to claim 1, and
the pixel of blue (B) comprising a color filter.

Claim 9 (Currently amended): A color light emitting apparatus comprising[[:]] :

a light source emitting at least blue light, and
the fluorescent conversion medium according to claim 1 receiving light from the light source to emit light in at least one color ranging from green to red and transmit part of the blue light emitted from the light source.

Claim 10 (Previously amended): The color light emitting apparatus according to claim 6, wherein the light source is an organic electroluminescent device,
the organic electroluminescent device comprising,
a first light-reflective electrode,
a second transparent electrode, and
an organic luminescent medium comprising an organic emitting layer between the first and second electrodes.

Claim 11 (Previously presented): The color light emitting apparatus according to claim 8, wherein the light source is an organic electroluminescent device, the organic electroluminescent device comprising, a first light-reflective electrode, a second transparent electrode, and an organic luminescent medium comprising an organic emitting layer between the first and second electrodes.

Claim 12 (Previously presented): The color light emitting apparatus according to claim 9, wherein the light source is an organic electroluminescent device, the organic electroluminescent device comprising, a first light-reflective electrode, a second transparent electrode, and an organic luminescent medium comprising an organic emitting layer between the first and second electrodes.

Claim 13 (New): The fluorescent conversion medium according to claim 1, wherein the semiconductor nanocrystals are selected from the group of crystals consisting of Si, Ge, MgS, ZnS, MgSe, ZnSe, AlP, GaP, AlAs, GaAs, CdS, CdSe, InP, InAs, GaSb, AlSb, ZnTe, CdTe, and InSb, and mixed crystals of these elements or compounds.

Claim 14 (New): The fluorescent conversion medium according to claim 1, wherein the transparent medium is in the form of either an oligomer or a polymer, selected from the group consisting of a melamine resin, a phenol resin, an alkyd resin, an epoxy resin, a polyurethane resin, a maleic resin, a polyamide resin, polymethyl methacrylate, polycarbonate, polyvinyl alcohol, polyvinylpyrrolidone, hydroxyethylcellulose, carboxymethylcellulose, and copolymers containing monomers forming these resins.